

CALCIUM CARBONATE EQUIVALENT BY AOAC 955.01 TITRIMETRIC METHOD					Page 1 of 1
Facility Name: _____ VELAP ID _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
Is the 0.25M Sodium Hydroxide solution standardized?	AOAC 955.01A.a				
Is the 0.5M Hydrochloric acid solution standardized against the 0.25M NaOH solution using phenolphthalein?	AOAC 955.01A.b				
B. Indicator Titrimetric Method					
Was 50mL HCl std solution added to 0.5g of burnt or hydrated lime (1g ground limestone or ground marl), gently boiled, cooled and titrated with NaOH std solution?	AOAC 955.01B				
Was CaCO ₃ calculated as: %CaCO ₃ equivalence = 2.5x(mL HCl-[mL NaOH/2])?	AOAC 955.01B				
C. Potentiometric Titration Method					
Was the sample prepared as in B. above up to titration, transferred to a 250mL beaker, stirred moderately and with a pH probe inserted, titrated with 0.25M NaOH?	AOAC 955.01C				
Was sample titrated quickly to pH 5 and then drop wise to pH 7 until remaining constant for 1 min while stirring?	AOAC 955.01C				
Notes/Comments:					